**NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Statistics: 1.2 notes- measurement**

**Measure:**

**Instrument:**

**Unit:**

**Variable:**

**3 BIG QUESTIONS TO ASK IN ANY STATISTICAL STUDY:**

**1)**

**2)**

**3)**

**Valid Measurement:**

**Examples:**

**Rate:**

**Examples:**

**Predictive Validity:**

**PAGE 33: #31, 33**

**31)**

**33)**

**Bias:**

**Reliable:**

**Examples: Bulls Eye**

**Low Bias High Bias Low Bias High Bias**

**High Reliability High Reliability Low Reliability Low Reliability**

**NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Activity 1.2B**

**Directions:** Find a partner. Get a stopwatch. Turn to page 36 in your book and complete Activity 1.2B. Record yours answers on this sheet and turn it in. Make sure you record your measurements to the nearest tenth.

3) Partner #1: \_\_\_\_\_\_\_\_\_\_\_\_\_ Partner #2: \_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

4) Answer questions in #4 in the book for your data (errors are how far off you were from the actual value)

Partner #1 average: \_\_\_\_\_\_\_\_\_\_\_\_ Partner #2 average: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

5) Answer questions in #5 for your partners data

6) Put your data on the board (all 3 measurements). Do the “**extension**” in the book (create a class graph).

7) **Write a few sentences** about the class data. Be sure to include the average!